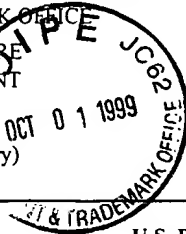


Paper # 4

FORM PTO-1449* U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. PHL-24,706	SERIAL NO. 09/378,218
	APPLICANT Jeffry Jovan Philyaw and David Kent Mathews	
	FILING DATE August 19, 1999	GROUP XXXXX



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	1	3,668,312 ✓	06/06/72	Yamamoto, et al.	178	6.8	04/02/70
AR	2	4,042,792	08/16/77	Pakenham, et al.	179	90	01/26/76
AR	3	4,621,259	11/04/86	Schepers, et al.	340	707	03/18/83
AR	4	4,654,482	03/31/87	DeAngelis	379	95	11/07/84
AR	5	4,816,904	03/28/89	McKenna, et al.	358	84	04/10/87
AR	6	4,817,136	03/28/89	Rhoads	379	357	08/17/87
AR	7	4,841,132	06/20/89	Kajitani, et al.	235	472	07/16/87
AR	8	4,894,789	01/16/90	Yee	364	521	02/22/88
AR	9	4,899,370	02/06/90	Kameo, et al.	379	104	06/13/88
AR	10	4,905,094	02/27/90	Pocock, et al.	358	342	06/30/88
AR	11	4,907,264	03/06/90	Seiler, et al.	379	355	09/14/88
AR	12	4,937,853	06/26/90	Brule, et al.	379	96	05/03/89
AR	13	4,947,028	08/07/90	Gorog	235	381	07/19/88
AR	14	4,975,948	12/04/90	Andresen, et al.	379	355	10/13/89
AR	15	4,984,155	01/08/91	Geier, et al.	364	401	08/29/88
AR	16	5,128,752	07/07/92	Von Kohorn	358	84	10/25/90
AR	17	5,144,654	09/01/92	Kelley, et al.	379	356	03/22/91
AR	18	5,247,347	09/21/93	Litteral, et al.	358	85	09/27/91
AR	19	5,262,860	11/16/93	Fitzpatrick, et al.	358	142	04/23/92
AR	20	5,285,278	02/08/94	Holman	358	142	05/21/92
AR	21	5,287,181	02/15/94	Holman	348	473	08/20/92
AR	22	5,305,195	04/19/94	Murphy	364	401	03/25/92
AR	23	5,319,454	06/07/94	Schutte	348	5.5	11/13/90
AR	24	5,357,276	10/18/94	Banker, et al.	348	7	12/01/92
AR	25	5,438,355	08/01/95	Palmer	348	1	04/16/93
AR	26	5,446,490	08/29/95	Blahut, et al.	348	7	10/23/92
AR	27	5,446,919	08/29/95	Wilkins	455	6.2	10/09/91
AR	28	5,570,295	10/29/96	Isenberg, et al.	364	514	03/18/94

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03/31/01

al	29	5,604,542	02/18/97	Dedrick	348	552	02/08/95
al	30	5,640,193	06/17/97	Wellner	503	7	08/15/94
al	31	5,664,110	09/02/97	Green, et al.	705	26	12/08/94
al	32	5,708,780	01/13/98	Levergood, et al.	395	200.12	06/07/95
al	33	5,715,314	02/03/98	Payne, et al.	380	24	10/24/94
al	34	5,724,424	03/03/98	Gifford	380	24	11/29/95
al	35	5,761,606	06/02/98	Wolzien	455	6.2	02/08/96
al	36	5,768,528	06/16/98	Stumm	395	200.61	05/24/96
al	37	5,774,870	06/30/98	Storey	705	14	12/14/95
al	38	5,790,793	08/04/98	Higley	395	200.48	04/04/95
al	39	5,794,210	08/11/98	Goldhaber, et al.	705	14	12/11/95
al	40	5,905,251	05/18/99	Knowles	235	472.01	07/11/97
al	41	5,907,793	05/25/99	Reams	455	3.1	08/03/95
al	42	5,933,829	08/03/99	Durst, et al.	707	10	11/08/97

EXAMINER

*Wm. J. Jones*

DATE CONSIDERED

*03/31/01*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM 98-3

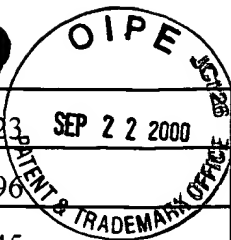
Paper # 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. PHL-24,706	SERIAL NO. 09/378,218
	APPLICANT Jeffry Jovan Philyaw and David Kent Mathews	
	FILING DATE August 19, 1999	GROUP 2756

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
al	*1	3,668,312 ✓	06/06/72	Yamamoto et al.	348	17	
al	2	4,002,886	01/11/77	Sundelin	235	61	
al	*3	4,042,792 ✓	08/16/77	Pakenham et al.	179	90	
al	4	4,365,148	12/21/82	Whitney	235	383	
al	*5	4,621,259 ✓	11/04/86	Schepers et al.	345	180	
al	*6	4,654,482 ✓	03/31/87	DeAngelis	379	95	
al	7	4,780,599	10/25/88	Baus	235	383	
al	8	4,785,296	11/15/88	Tabata et al.	340	731	
al	*9	4,816,904 ✓	03/28/89	McKenna et al.	348	13	
al	*10	4,817,136	03/28/89	Rhoads	379	375	
al	11	4,833,308	05/23/89	Humble	235	383	
al	*12	4,841,132 ✓	06/20/89	Kajitani et al.	235	472	
al	13	4,845,634	07/04/89	Vitek et al.	364	468	
al	*14	4,894,789 ✓	01/16/90	Yee	348	552	
al	*15	4,899,370	02/06/90	Kameo et al.	379	104	
al	16	4,901,073	02/13/90	Kibrick	341	13	
al	*17	4,905,094	02/27/90	Pocock et al.	386	106	
al	*18	4,907,264	03/06/90	Seiler et al.	379	216	
al	19	4,916,293	04/10/90	Cartlidge et al.	235	375	
al	*20	4,937,853	06/26/90	Brule et al.	379	91	
al	*21	4,947,028	08/07/90	Gorog	235	380	
al	22	4,959,530	09/25/90	O'Connor	235	383	
al	*23	4,975,948	12/04/90	Andresen et al.	379	355	
al	*24	4,984,155	01/08/91	Geier et al.	364	401	

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AR	25	5,038,023	08/06/91	Saliga	235	385	
AR	26	5,054,096	10/01/91	Beizer	382	41	
AR	27	5,088,045	02/11/92	Shimanaka et al.	364	468	
AR	28	5,111,391	05/05/92	Fields et al.	364	401	
AR	29	5,115,326	05/19/92	Burgess et al.	358	440	
AR	*30	5,128,752	07/07/92	Von Kohorn	358	84	
AR	*31	5,144,654	09/01/92	Kelley et al.	379	356	
AR	32	5,161,037	11/03/92	Saito	358	468	
AR	33	5,161,214	11/03/92	Addink et al.	395	145	
AR	34	5,182,705	01/26/93	Barr et al.	364	401	
AR	*35	5,189,630	02/23/93	Barstow et al.	364	514	
AR	36	5,191,525	03/02/93	LeBrun et al.	364	419	
AR	37	5,198,644	03/30/93	Pfeiffer et al.	235	383	
AR	38	5,235,654	08/10/93	Anderson et al.	382	61	
AR	39	5,241,402	08/31/93	Aboujaoude et al.	358	406	
AR	40	5,243,531	09/07/93	DiPippo et al.	364	468	
AR	*41	5,247,347	09/21/93	Litteral et al.	348	7	
AR	*42	5,262,860	11/16/93	Fitzpatrick et al.	348	461	
AR	*43	5,285,278	02/08/94	Holman	348	10	
AR	*44	5,287,181	02/15/94	Holman	348	473	
AR	45	5,288,976	02/22/94	Citron et al.	235	375	
AR	46	5,296,688	03/22/94	Hamilton et al.	235	375	
AR	47	5,304,786	04/19/94	Pavlidis et al.	235	462	
AR	*48	5,305,195	04/19/94	Murphy	705	1	
AR	*49	5,319,454	06/07/94	Schutte	348	5.5	
AR	50	5,324,922	06/28/94	Roberts	235	375	
AR	51	5,331,547	07/19/94	Laszlo	364	413.01	
AR	52	5,340,966	08/23/94	Morimoto	235	376	
AR	*53	5,357,276	10/18/94	Banker et al.	348	7	
AR	54	5,362,948	11/08/94	Morimoto	235	376	
AR	55	5,382,779	01/17/95	Gupta	235	383	

*Almar Gomez*

*8/31/01*

AR	56	5,386,298	01/31/95	Bronnenberg et al	358	403	
AR	57	5,398,336	03/14/95	Tantry et al.	395	600	
AR	58	5,405,232	04/11/95	Lloyd et al.	414	280	
AR	59	5,418,713	05/23/95	Allen	364	403	
AR	60	5,420,403	05/30/95	Allum et al.	235	375	
AR	61	5,420,943	05/30/95	Mak	382	313	
AR	62	5,424,524	06/13/95	Ruppert et al.	235	462	
AR	*63	5,438,355	08/01/95	Palmer	348	1	
AR	*64	5,446,490	08/29/95	Blahut et al.	348	7	
AR	*65	5,446,919	08/29/95	Wilkins	455	6.2	
AR	*66	5,491,508	02/13/96	Friedell et al.	348	16	
AR	67	5,493,107	02/20/96	Gupta et al.	235	383	
AR	68	5,519,878	05/21/96	Dolin, Jr.	395	800	
AR	69	5,530,852	06/25/96	Meske, Jr. et al.	396	600	
AR	*70	5,570,295	10/29/96	Isenberg et al.	379	90.01	
AR	*71	5,572,643	11/05/96	Judson	395	793	
AR	*72	5,592,551	01/07/97	Lett et al.	380	20	
AR	*73	5,594,226	01/14/97	Steger	235	379	
AR	74	5,602,377	02/11/97	Beller et al.	235	462	
AR	*75	5,604,542	02/18/97	Dedrick	348	552	
AR	*76	5,640,193	06/17/97	Wellner	348	7	
AR	77	5,649,186	07/15/97	Ferguson	395	610	
AR	*78	5,664,110	09/02/97	Green et al.	705	26	
AR	79	5,671,282	09/23/97	Wolff et al.	380	25	
AR	*80	5,675,721	10/07/97	Freedman et al.	395	129	
AR	81	5,682,540	10/28/97	Klotz, Jr. et al.	395	766	
AR	*82	5,694,163	12/02/97	Harrison	348	13	
AR	*83	5,708,780	01/13/98	Levergood et al.	709	229	
AR	84	5,710,887	01/20/98	Chelliah et al.	395	226	
AR	*85	5,715,314	02/03/98	Payne et al.	705	78	
AR	*86	5,724,424	03/03/98	Gifford	705	79	

AR	87	5,745,681	04/28/98	Levine et al.	395	200.3	
AR	*88	5,754,906	05/19/98	Yoshida	396	448	
AR	89	5,757,917	05/26/98	Rose et al.	380	25	
AR	*90	5,761,606	06/02/98	Wolzien	455	6.20	
AR	91	5,764,906	06/09/98	Edelstein et al.	395	200.49	
AR	92	5,765,176	06/09/98	Bloomberg	707	514	
AR	*93	5,768,528	06/16/98	Stumm	709	231	
AR	*94	5,774,664	06/30/98	Hidary et al.	395	200	
AR	*95	5,774,870	06/30/98	Storey	705	14	
AR	*96	5,778,367	07/07/98	Wesinger, Jr. et al.	707	10	
AR	*97	5,790,793	08/04/98	Higley	709	218	
AR	98	5,791,991	08/11/98	Small	463	41	
AR	*99	5,794,210	08/11/98	Goldhaber et al.	705	14	
AR	*100	5,796,952	08/18/98	Davis et al.	305	200.54	
AR	101	5,804,803	09/08/98	Cragun et al.	235	375	
AR	102	5,815,776	09/29/98	Nukada	399	174	
AR	103	5,832,223	11/03/98	Hara et al.	395	200.47	
AR	*104	5,833,468	11/10/98	Guy et al.	434	350	
AR	105	5,848,202	12/08/98	D'Eri et al.	382	306	
AR	106	5,848,413	12/08/98	Wolff	707	10	
AR	*107	5,854,897	12/29/98	Radziewicz et al.	709	224	
AR	*108	5,864,823	01/26/99	Levitan	105	14	
AR	109	5,869,819	02/09/99	Knowles et al.	235	375	
AR	110	5,905,248	05/18/99	Russell et al.	235	462	
AR	*111	5,905,251	05/18/99	Knowles	235	472.01	
AR	*112	5,905,665	05/18/99	Rim	364	746	
AR	*113	5,905,865	05/18/99	Palmer et al.	395	200.47	
AR	*114	5,907,793	05/25/99	Reams	455	3.1	
AR	115	5,913,210	06/15/99	Call	707	4	
AR	*116	5,915,090	06/22/99	Joseph et al.	709	202	
AR	117	5,918,214	06/29/00	Perkowski	705	27	

AR	*118	5,925,865	07/20/99	Steger	235	379	
AR	*119	5,929,850	07/27/99	Broadwin et al.	345	327	
AR	120	5,932,863	08/03/99	Rathus et al.	235	462.15	
AR	*121	5,933,829	08/03/99	Durst et al.	707	10	
AR	*122	5,948,061	09/07/99	Merriman et al.	709	219	
AR	*123	5,957,695	09/28/99	Redford et al.	434	307R	
AR	*124	5,960,411	09/28/99	Hartman et al.	705	26	
AR	*125	5,961,603	10/05/99	Kunkel et al.	709	229	
AR	*126	5,970,471	10/19/99	Hill	705	26	
AR	*127	5,970,472	10/19/99	Allsop et al.	705	26	
AR	*128	5,971,277	10/26/99	Cragun et al.	235	462.1	
AR	*129	5,974,443	10/26/99	Jeske	709	202	
AR	*130	5,974,451	10/26/99	Simmons	709	218	
AR	*131	5,976,833	11/02/99	Furukawa et al.	435	69.1	
AR	*132	5,978,773	11/02/99	Hudetz et al.	709	219	
AR	*133	5,991,739	11/23/99	Cupps et al.	705	26	
AR	134	5,992,752	11/30/99	Wilz, Sr. et al.	235	472.01	
AR	135	5,995,105	11/30/99	Reber et al.	345	356	
AR	*136	6,002,394	12/14/99	Schein et al.	345	327	
AR	*137	6,003,073	12/14/99	Solvason	709	219	
AR	*138	6,006,257	12/21/99	Slezak	709	219	
AR	*139	6,009,410	12/28/99	LeMole et al.	709	219	
AR	*140	6,009,465	12/28/99	Decker et al.	709	219	
AR	141	6,012,102	01/04/00	Shachar	710	5	
AR	*142	6,018,764	01/25/00	Field et al.	709	217	
AR	143	6,049,539	04/11/00	Lee et al.	370	355	
AR	144	6,064,929	05/16/00	Perkowski	705	26	
AR	145	6,108,656	08/22/00	Durst et al.	707	10	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AR	F1	WO 95/10813	10/14/94	PCT	G06F	15/403	NO

AR	F2	WO 96/07145	SEP 22 2000	9/1/95	PCT	G06F	17/00	NO
AR	F3	WO 97/37319	SEP 22 2000	2/20/97	PCT	G06K	7/10	NO
AR	F4	WO 98/03923		1/29/98	PCT	G06F	15/163	NO
AR	F5	WO 98/06055		2/12/98	PCT	G06F	163/00	NO
AR	F6	WO 98/09243		8/22/97	PCT	G06F	19/00	NO
AR	F7	WO 98/19259		5/7/98	PCT	G06F	17/00	NO
AR	F8	WO 98/40823		9/17/98	PCT	G06F	13/00	NO
AR	F9	WO 99/63457		6/3/99	PCT	G06F	17/30	NO
AR	F10	EP 0 961 250 A2		12/1/99	EP	G07F	19/00	NO
AR	F11	JP 10188140A		12/24/96	JP	G07G	1/12	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)**

AR	D1	"Group Decision Support System: Development and Application", Energy Systems, Westinghouse, Pittsburgh, PA
AR	D2	"New Technologies in Credit Card Authentication", Pieter de Bryne, Institute for Communications Technology, Zurich, Switzerland
AR	D3	"AVITAL, a Private Teaching System by Fax Communication", Atsusji Iizawa, Noriro Sugiki, Yukari Shitora and Hideko Kunii, Software Research Center, Tokyo, Japan
AR	D4	"Document on Computer" USPS Technical Support Center, Norman, OK
AR	D5	"Development of a Commercially Successful Wearable Data Collection System", Symbol Technologies, Inc.
AR	D6	"What do forward looking companies consider in their plans and developments?", A.G. Johnston, Nestle
AR	D7	"The Automation Synergy", Neves and Noivo, Portugal
AR	D8	"Integration of Hand-Written Address Interpretation Technology into the United States Postal Service Remote Computer Reader System", Srihari (CEDAR, SUNY at Buffalo) and Kueberg (U.S. Postal Service, VA)
AR	D9	"Paper Based Document Security - A Review", van Renesse, TNO Institute of Applied Physics, The Netherlands
AR	D10	"IEEE Standard for Bar Coding for Distribution Transformers" Transformers Committee of the IEEE Power Engineering Society, The Institute of Electrical and Electronics Engineers, Inc. NY
AR	D11	"The Stylus™-Shopping from Home", STYLUS Innovation, MA
AR	D12	"Distributing Uniform Resource Locators as Bar Code Images", IBM Technical Disclosure Bulletin, Jan 1996
AR	D13	"Bar Code Method for Automating Catalog Orders", IBM Technical Disclosure Bulletin, September 1998
AR	D14	"Bar Code Recognition System Using Image Processing", Kuroki, Yoneoka et al., Hitachi Research Laborator

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.